

ABSTRACT

To improve amplitude balancing and phase balancing in the passband in a balanced-type surface acoustic wave filter having a balanced-to-unbalanced conversion function in which first and second surface acoustic wave filter portions are two-stage cascade connected.

In a balanced type surface acoustic wave filter 1, a first longitudinal coupling resonator-type surface acoustic wave filter portion 11 connected to an unbalanced input terminal 33 and a second longitudinal coupling resonator-type surface acoustic wave filter portion 21 connected to first and second balanced input terminals 34 and 35 are two-stage cascade connected. In the first longitudinal coupling resonator-type surface acoustic wave filter portion 11, in a portion in which first and second IDTs 12 and 13 neighbor each other and a portion in which second and third IDTs 13 and 14 neighbor each other, weighting is performed on a plurality of electrode fingers 14a and 14b including the outermost electrode finger 14a, the closest to the opposite IDT, in one and/or the other of the neighboring IDTs 13 and 14.